

IN THE CLAIMS

Claims 1-7 (Cancelled)

8. (Currently amended) A roller cutter comprising:
a hub having crushing members mounted on an outer periphery thereof;
a shaft on which the hub is mounted for rotation about a center axis of the shaft, opposite ends of the shaft including respective spigots;
a pair of lubricant seals disposed adjacent respective ends of the shaft and ~~arranged extending radially between and contiguously engaging~~ the shaft and the hub; and
a pair of covers ~~disposed spaced~~ axially outwardly ~~of respective seals for from and~~ covering the respective seals, each cover including a generally radially inwardly directed projection received in an indentation formed in an outer surface of the shaft to lock the cover axially with respect to the shaft.
9. (Currently amended) The roller cutter according to claim 8, wherein each projection comprises a pin secured in a recess formed in the respective cover, wherein the pin extends radially ~~outwardly~~ inwardly past an inner diameter of the cover.
10. (Previously presented) The roller cutter according to claim 9 wherein each indentation comprises a groove of substantially V-shape when viewed in a section plane containing the center line.
11. (Previously presented) The roller cutter according to claim 10 wherein each indentation has a dimension extending generally tangentially to the shaft which is at least as long as a dimension of the recess in the same direction.
12. (Previously presented) The roller cutter according to claim 10 wherein each spigot includes a curved support surface and a shoulder extending generally radially inwardly from the support surface.

13. (Previously presented) The roller cutter according to claim 10 wherein each indentation includes a surface which extends in a direction which is inclined axially inwardly and radially inwardly, the projection engaging both the inclined surface and an axially outwardly facing surface of the cover.
14. (Previously presented) The roller cutter according to claim 10 wherein the projection is arranged to lock the cover against substantial rotation relative to the shaft.
15. (Previously presented) The roller cutter according to claim 8 wherein each indentation comprises a groove of substantially V-shape when viewed in a section plane containing the center line.
16. (Currently amended) The roller cutter according to ~~claim 8~~ claim 9 wherein each indentation has a dimension extending generally tangentially to the shaft which is at least as long as a dimension of the recess in the same direction.
17. (Previously presented) The roller cutter according to claim 8 wherein each spigot includes a curved support surface and a shoulder extending generally radially inwardly from the support surface.
18. (Previously presented) The roller cutter according to claim 8 wherein each indentation includes a surface which extends in a direction which is inclined axially inwardly and radially inwardly, the projection engaging both the inclined surface and an axially outwardly facing surface of the cover.
19. (Previously presented) The roller cutter according to claim 8 wherein the projection is arranged to lock the cover against substantial rotation relative to the shaft.

20. (Currently amended) A raise boring cutter apparatus comprising:
a body having a mounting surface and saddles projecting upwardly from the mounting surface;
a roller cutter mounted on the saddles and comprising:
a hub having crushing members mounted on an outer periphery thereof,
and
a shaft on which the hub is mounted for rotation about a center axis of the shaft, opposite ends of the shaft including respective spigots mounted non-rotatably in respective saddles,
a pair of lubricant seals disposed adjacent respective ends of the shaft and arranged extending radially between and contiguously engaging the shaft and the hub; and
a pair of covers disposed spaced axially outwardly of respective seals for from and covering the respective seals, each cover including a generally radially inwardly directed projection received in an indentation formed in an outer surface of the shaft to lock the cover axially with respect to the shaft.